| Index of Claims | , and the second |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | 10/779,814                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                 | Examiner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                 | Gims S. Philippo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Application/Control No.

Applicant(s)/Patent under Reexamination

10/779,814

CLARK ET AL.

Examiner

Art Unit

Gims S. Philippe

2621

| / | Rejected | - | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla            | aim      | Date     |           |           |           |          |        |   |          |                    |                | Claim Date |          |                 |          |               |          |          |          |          |           | 4          | ŀ   | Cla   | aim        | Date            |          |          |          |   |                |              |          |                |
|----------------|----------|----------|-----------|-----------|-----------|----------|--------|---|----------|--------------------|----------------|------------|----------|-----------------|----------|---------------|----------|----------|----------|----------|-----------|------------|-----|-------|------------|-----------------|----------|----------|----------|---|----------------|--------------|----------|----------------|
| Final          | Original | 12/4/07  |           |           |           |          |        |   |          |                    |                | Final      | Original |                 |          |               |          |          |          |          |           |            |     | Final | Original   |                 |          |          | į        |   |                |              |          | ŀ              |
|                | 1        | 1        | 1         | Ť         | $\dagger$ | 7        |        |   |          | Г                  | $\Box$         |            | 51       |                 |          | 一             |          |          |          |          |           | 7          | 1   |       | 101        |                 |          |          |          |   |                |              |          |                |
|                | 2        | ΤÌ       | T         | İ         | ✝         | 1        |        |   |          | _                  | П              |            | 52       |                 |          |               |          |          |          |          |           |            | 1   |       | 102        | _               | 7        |          |          |   |                |              |          |                |
|                | 3        | П        | Т         | Τ         | 1         | T        |        |   |          |                    |                |            | 53       |                 |          |               |          |          |          |          |           |            |     |       | 103        |                 |          |          |          |   |                |              |          |                |
|                | 4        | $\prod$  |           |           |           |          |        |   |          |                    |                |            | 54       |                 |          |               |          |          |          |          |           |            |     |       | 104        |                 |          |          |          |   |                |              | _        | <u> </u>       |
|                | 5        | Ц        | L         |           |           |          |        |   |          | <u> </u>           | Ш              |            | 55       |                 |          | _             |          |          | _        |          | _         | _          | -   |       | 105        | _               | _        | _        | _        |   |                |              |          | <u> </u>       |
|                | 6        | Ц        | L         |           | $\perp$   |          |        |   |          |                    |                | ·          | 56       | Ш               |          |               |          |          | _        | _        | _         | $\dashv_i$ | . ļ |       | 106        | _               | _        |          |          |   | _              | _            |          | _              |
|                | 7        | Ц        | ┖         | 1_        | 4         | 4        |        |   |          |                    | Ш              |            | 57       |                 |          | 4             | _        |          | _        | _        | -         | ⁴          | -   |       | 107        |                 | _        | _        |          |   |                |              |          | <u> </u> _     |
|                | 8        | Ц        | ╄         | 4         | 1         | 4        |        |   | _        |                    |                |            | 58       |                 | $\sqcup$ |               | _+       |          | _        | -        | _         | -          | ŀ   |       | 108        | -               | 4        |          |          |   |                |              | _        | ⊢              |
|                | 9        | Н        | ╄-        | +         | +         | 4        | _      |   | <u> </u> |                    |                | -          | 59       |                 |          | _             | _        | $\dashv$ | -        |          | -         |            | ŀ   |       | 109<br>110 |                 | -        |          | $\dashv$ | _ | _              |              |          | -              |
| <u> </u>       | 10       | H        | ┼         |           | +         | +        | -      |   |          | ┝                  | $\vdash$       |            | 60<br>61 | $\vdash$        | $\dashv$ | -             |          |          |          | -        | $\dashv$  | $\dashv$   | ŀ   |       | 111        |                 | -        |          |          |   | _              | -            | -        | <u> </u>       |
| <del>  -</del> | 11<br>12 | ╁        | -         |           | +         | +        | -      | _ | -        | -                  | -              |            | 62       | H               | -        |               |          | $\dashv$ | $\dashv$ | $\dashv$ | +         | $\dashv$   | ŀ   |       | 112        | $\dashv$        | $\dashv$ |          |          |   | -              | _            | _        | ┢╌             |
| -              | 13       | ╁        | ╀         | +-        | +         | -        |        |   | ├        | $\vdash$           | $\dashv$       | -          | 63       | $\vdash$        |          |               | $\dashv$ | _        | $\dashv$ | -        | -+        | -          | ŀ   |       | 113        | $\dashv$        | 十        |          |          |   | -              | -            | $\vdash$ | ╢              |
| -              | 14       | H        | ╁         | ╁╴        | +         | +        |        |   |          | -                  |                | $\vdash$   | 64       | $\vdash$        |          | -             | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   | ŀ   |       | 114        | +               | _        | -        |          | _ |                |              |          | _              |
| -              | 15       | H        | ╁         | ╬         | +         | -        |        |   | -        | H                  |                | -          | 65       |                 | _        |               | $\dashv$ | _        | $\dashv$ |          |           | _          | ł   |       | 115        | $\dashv$        | -        |          |          | _ |                | -            | -        |                |
| -              | 16       | H        | +         | +         | ╁         | +        | _      |   | -        | -                  |                | -          | 66       | $\vdash$        |          |               | $\dashv$ | _        |          | _        | _         | $\neg$     | ł   |       | 116        | _               | -        | _        |          |   | -              | _            | -        | _              |
|                | 17       | H        | t         | ╁         | +         | 7        |        |   | -        | $\vdash$           |                |            | 67       |                 |          | $\neg$        | 寸        |          |          |          |           |            | t   |       | 117        | $\neg$          | _        | T        |          |   |                | _            |          |                |
|                | 18       | Ħ        | +-        | 1         | +         | -        |        |   |          | 一                  |                |            | 68       | П               |          | $\neg$        |          |          |          | $\neg$   |           | _          | ı   |       | 118        | _               | 寸        | _        |          | _ |                | _            |          |                |
|                | 19       | 1        | T         | 1         | Ť         | 7        |        |   |          |                    |                |            | 69       | П               |          | $\neg$        |          |          |          | $\neg$   |           | $\neg$     | -   |       | 119        | $\neg$          | T        |          |          |   |                | -            |          |                |
|                | 20       | $\sqcap$ | 1         | 1         | †         | 7        |        |   |          | Г                  |                |            | 70       |                 |          | $\neg$        |          |          |          |          |           |            | Ī   |       | 120        |                 |          |          |          |   |                |              |          |                |
|                | 21       | П        | Τ         | T         | 1         |          |        |   |          |                    |                |            | 71       |                 |          |               |          |          |          |          |           |            |     |       | 121        |                 |          |          |          |   |                |              |          |                |
|                | 22       | $\prod$  |           |           |           |          |        |   |          |                    |                |            | 72       |                 |          |               |          |          |          |          |           |            |     |       | 122        |                 |          | _        |          |   |                |              | <u> </u> |                |
|                | 23       |          |           |           |           |          |        |   | <u> </u> |                    | Ш              |            | 73       |                 | _        | _             |          | _        | _        |          |           |            | Ļ   |       | 123        | _ .             | _        | _        | _        |   | _              | <u> </u>     | <u> </u> | <u> </u>       |
|                | 24       | Ц        | ┸         | ļ.,       | 1         | _        |        |   |          |                    |                |            | 74       |                 |          | _             | _        | _        | _        | _        |           |            |     |       | 124        | _ -             | _        |          |          |   | _              | _            |          | <u> </u>       |
|                | 25       | Ц        | ╀-        |           | 4         | 4        |        |   |          | <u> </u>           |                |            | 75       | Ш               | _        |               | _        | _        | _        | _        | _         |            | ŀ   |       | 125        | _               | -        |          |          |   | _              | <u> </u>     | <u> </u> | <u> </u>       |
|                | 26       | Н        | ╀         | 1         | - -       | -        | _      |   |          | <u> </u>           | $\square$      |            | 76       | $\vdash \vdash$ |          |               | -        | -        | $\dashv$ | -        | -         |            | ŀ   |       | 126        |                 |          |          | -        | _ | <u> </u>       |              |          | <del> </del>   |
| <u> </u>       | 27       | H        | ╀         | -         | +         | 4        |        |   |          | <u> </u>           |                |            | 77       | Н               |          |               |          | -        | -        | -        |           |            | ŀ   |       | 127        | -               | -        |          |          |   | _              | -            | -        | ⊢              |
| -              | 28       | Н        | ╀         | +-        |           | -        |        |   |          |                    | $\vdash$       |            | 78<br>79 | Н               | $\dashv$ | $\dashv$      | -        |          |          | $\dashv$ | +         | _          | ŀ   |       | 128<br>129 | $\dashv$        | -        | $\dashv$ |          |   | -              | <del> </del> |          | $\vdash$       |
| -              | 29<br>30 | H        | +-        | ╁         | +         | +        | _      |   |          |                    | $\vdash$       | -          | 80       | $\vdash$        |          | $\rightarrow$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |           |            | ŀ   |       | 130        |                 | -        |          |          |   | $\vdash$       | ├─           | ├        | <del> </del>   |
|                | 31       | H        | ╁         | +         | ╁         | +        |        |   |          | <del> </del>       | H              |            | 81       | Н               |          | -             | $\dashv$ | -        | $\dashv$ | ᅱ        |           |            | ŀ   |       | 131        | -+              | -        |          |          |   | $\vdash$       |              |          | <del> </del>   |
|                | 32       | ₩,       | +         | +         | +         | ╅        | -      |   |          | -                  | $\vdash$       |            | 82       | Н               | -        |               | _        | _        | $\dashv$ | ┪        | +         |            | ŀ   |       | 132        | _               | 寸        |          |          |   | ┢              |              | $\vdash$ | <del> </del>   |
| -              | 33       | ľ        | +         | ╁         | $\dagger$ | ┪        | $\neg$ |   |          | -                  | <del>-</del>   |            | 83       | Н               |          |               | _        |          | $\neg$   | $\dashv$ | $\dashv$  | _          | ľ   |       | 133        | _               | _        |          |          |   |                | $\vdash$     | $\vdash$ |                |
|                | 34       | ╁        | $\dagger$ | +-        | $\dagger$ | 7        |        |   | _        | $\vdash$           |                | -          | 84       |                 | 一        |               |          | _        | _        | ヿ        | $\exists$ |            | ľ   |       | 134        | $\neg \uparrow$ | 1        | T        |          | _ | _              | _            |          | Г              |
|                | 35       |          | 1         | T         | 1         | $\dashv$ | $\neg$ |   |          |                    |                |            | 85       |                 |          |               |          |          |          | ╗        |           |            | Ţ   |       | 135        |                 |          |          |          |   |                |              |          |                |
|                | 36       | Γ        | Τ         |           |           |          |        |   |          |                    |                |            | 86       |                 |          |               |          |          |          |          |           |            |     |       | 136        |                 |          |          |          |   |                |              |          |                |
|                | 37       |          |           | Ι         |           |          |        |   |          |                    |                |            | 87       |                 |          |               |          |          |          |          |           |            |     |       | 137        |                 | $\int$   |          |          |   |                |              |          | <u> </u>       |
|                | 38       |          | $\Box$    |           |           |          |        |   | L        | $oxedsymbol{oxed}$ |                |            | 88       |                 | $\prod$  | [             |          |          |          |          |           |            |     |       | 138        | _               | _        |          |          |   | _              |              |          | <u> </u>       |
|                | 39       | _        | $\perp$   | _         | $\perp$   | _        |        |   | <u> </u> | <u> </u>           |                |            | 89       |                 |          | _             | _        |          | _        | _        | _         | _          | -   |       | 139        | _               | _ .      |          |          |   |                |              |          | <u> </u> _     |
|                | 40       | _        | $\perp$   | 4         | _         | _        |        |   |          |                    |                |            | 90       |                 |          |               | _        | _        |          | _        | _         | _          | -   |       | 140        | _ -             | -        | _        |          |   |                |              | ļ        |                |
|                | 41       | _        | 4         | 4         | 1         | 4        |        |   | <u> </u> | <u> </u>           | Ш              |            | 91       | $\vdash$        | $\dashv$ | _             | $\dashv$ |          |          | _        |           | _          | -   |       | 141        |                 | -        | _        |          | _ | <u> </u>       |              |          | <u> </u>       |
| <u> </u>       | 42       | <u> </u> | $\perp$   | 4-        | +         | 4        | _      |   |          | $\vdash$           |                |            | 92       | $\vdash$        | $\dashv$ |               |          |          |          | -        | $\dashv$  | $\dashv$   | -   |       | 142<br>143 |                 |          |          |          |   | <u> — </u>     |              |          |                |
| -              | 43       | -        | +-        | +-        | +         | +        | -      |   | <u> </u> | -                  | $\vdash$       |            | 93<br>94 | $\vdash$        | $\dashv$ | $\dashv$      | -        |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   | 1   |       | 144        | -               | +        | -        |          |   |                | -            | -        | <del> </del> - |
| -              | 45       | -        | +         | +-        | +         | +        | -      |   |          | ⊢                  | $\vdash\vdash$ |            | 95       | $\vdash$        | $\dashv$ | -             |          |          |          | $\dashv$ | $\dashv$  | $\dashv$   | ŀ   |       | 144        | $\dashv$        | +        | $\dashv$ | -        | - | <del> </del> — |              |          | ├              |
|                | 45       | $\vdash$ | ╁         | +         | +         | $\dashv$ |        |   | ļ        | -                  | $\vdash$       | -          | 96       | $\vdash$        |          | -             | ᅱ        | -        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   | ŀ   |       | 146        | $\dashv$        | $\dashv$ | $\dashv$ |          |   |                | $\vdash$     | -        | $\vdash$       |
|                | 47       | -        | +         | +         | +         | $\dashv$ |        |   | -        | <del>  -  </del>   | $\vdash$       |            | 97       |                 |          |               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 十         |            | ŀ   |       | 147        | $\dashv$        | $\dashv$ |          |          | _ | $\vdash$       | -            | $\vdash$ | $\vdash$       |
| -              | 48       | $\vdash$ | $\dagger$ | +         | +         | +        |        |   | $\vdash$ | $\vdash$           | H              |            | 98       | $\vdash$        | $\dashv$ | $\dashv$      | $\dashv$ | -        | $\dashv$ | _        | $\dashv$  | $\dashv$   | f   |       | 148        | $\dashv$        | 7        |          |          |   |                | $\vdash$     | $\vdash$ | $\vdash$       |
|                | 49       | Т        | $\dagger$ | $\dagger$ | +         | $\dashv$ | _      |   |          | _                  | $\vdash$       |            | 99       | $\Box$          |          |               | 寸        | $\dashv$ | $\dashv$ | $\dashv$ |           |            | t   |       | 149        | _               | $\dashv$ |          |          |   |                |              |          |                |
|                | 50       | T        | 1         | 1         | 1         | 7        |        |   |          |                    |                |            | 100      |                 |          | $\Box$        | T        |          |          |          |           |            | ļ   |       | 150        |                 |          |          |          |   |                |              |          |                |
|                |          |          |           |           |           |          |        |   |          |                    |                |            |          |                 |          |               | _        |          |          |          |           |            |     |       |            |                 |          |          |          |   |                |              |          |                |